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PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/560373
	Filing Date	December 12, 2005
	First Named Inventor	Arnon Chait
	Art Unit	N/A
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	A0802.70002US01

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Return Receipt Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	Timothy J. Oyer, Ph.D.		
Date	03/24/06	Reg. No.	36,628

Certificate of Mailing Under 37 CFR 1.8(a)	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: 3.24.06	Signature:  (Signature)



DOCKET NO.: A0802.70002US01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chait, et al.  
Serial No.: 10/560,373  
Confirmation No.: Not yet assigned  
Filed: December 12, 2005  
For: SYSTEMS AND METHODS FOR CHARACTERIZATION  
OF MOLECULES

Examiner: Not yet assigned  
Art Unit: Not yet assigned

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 24 day of March, 2006.

  
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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing of a first Office action on the merits in the above-identified case.

No fee or certification is required.

Serial No.: 10/560,373  
Conf. No.: Not yet assigned

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Art Unit: Not yet assigned

PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicants hereby make the following additional information of record in the above-identified application.

The Applicants would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
10/293,959	November 12, 2002	Chait, et al.
10/779,164	February 13, 2004	Chait, et al.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

Serial No.: 10/560,373  
Conf. No.: Not yet assigned

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Art Unit: Not yet assigned

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).


By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:

  
\_\_\_\_\_  
Timothy J. Oyer, Ph.D., Reg. No. 36,628  
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Docket No.: A0802.70002US01

Date: March 24, 2006

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FORM PTO-1449 (Rev. 11/03) Modified PTO/SB/08)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

APPLICATION NO.: 10/560,373      ATTY. DOCKET NO.: A0802.70002US01

FILING DATE: Dec. 12, 2005      CONFIRMATION NO.: Not yet assigned

APPLICANT: Chait, et al.

GROUP ART UNIT: Not yet assigned      EXAMINER: Not yet assigned

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## **U.S. PATENT DOCUMENTS**

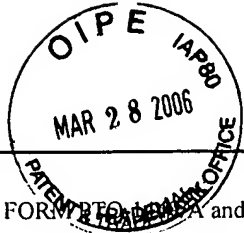
Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
		5,008,204		Stehling	04/16/1991
		5,734,024		Zaslavsky	03/31/1998
		6,136,960		Chait et al.	10/24/2000
		2003/0162224		Chait et al.	08/28/2003
		2004/0236603		Heller et al.	11/25/2004

## **FOREIGN PATENT DOCUMENTS**

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
		WO	03/016883	A1	Chait et al.	02/27/2003	
		WO	03/042694	A2	Chait et al.	05/22/2003	
		WO	2004/111655	A1	Analiza, Inc.	12/23/2004	

## **OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
		ARNOLDI et al., "Lipophilicity-Antifungal Activity Relationships for Some Isoflavonoid Phytoalexins", <i>Journal of Agricultural and Food Chemistry</i> , Vol. 38, No. 3, 1990, pgs. 834-838		
		ATKINSON, L, et al., "Trypsin and alpha-chymotrypsin partitioning in polyethylene glycol/maltodextrin aqueous two-phase systems" <i>Food and Bioproducts Processing</i> , 1994, 72 (C2):106-112.		
		BEVAN et al. A High-Throughput Screening Method For The Determination Of Aqueous Drug Solubility Using Laser Nephelometry In Microtiter Plates. <i>Analytical Chemistry</i> , April 15, 2000, Vol. 72, No. 8, pages 1781-1787.		
		HARBOE, et al., "Generation of Antibodies to the Signal Peptide of the MPT83 Lipoprotein of Mycobacterium Tuberculosis", <i>Scandinavian Journal of Immunology</i> , Vol. 55, No. 1, January 2002, Pgs. 82-87		
		KOHWI et al., "Amphipathic Lipid-Bound Protein Antigens in Mouse Bladder Carcinomas Detected by a Monoclonal Antibody", <i>Biochemistry</i> , Vol. 23, No. 25, 1984 pgs. 5945-5950		
		MUELLER et al., "Real and Pseudo Oxygen Gradients in Ca-alginate Beads Monitored During Polarographic PO-2-measurements using Pt-needle microelectrodes", <i>Biotechnology and Bioengineering</i> , Vol. 44, No. 5, 1994, pgs. 617-625		
		Program listing of the Society of Biomolecular Screening 2002, Session 2A Technical Program for the 8th Annual SBS Conference & Exhibition, September 22-26, 2002, Netherlands Congress Centre, The Hague, The Netherlands		
		CHAIT, "From Structure to Signature" (slides), presentation at the <i>Society of Biomolecular Screening 2002</i> conference in the Hague, The Netherlands (Oct. 2002)		



FORM PTO 1000A and B (modified PTO/SB/08)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.:	10/560,373	ATTY. DOCKET NO.:	A0802.70002US01
FILING DATE:	Dec. 12, 2005	CONFIRMATION NO.:	Not yet assigned
APPLICANT:	Chait, et al.		
GROUP ART UNIT:	Not yet assigned	EXAMINER:	Not yet assigned

Sheet

of

## OTHER ART — NON PATENT LITERATURE DOCUMENTS

Program listing of the Well-Characterized Biologics Conference 2002, California Separation Science Society, WCBP 2002, 6th Symposium on the Interface of Regulatory and Analytical Sciences for Biotechnology Health Products, January 27-30, 2002

CHAIT, et al., "HTS Technology for Analysis of Structural Signatures of Biomolecules: Methodology and Applications" (slides), presentation at the Well-Characterized Biologics Conference 2002 (Jan. 29, 2002)

TAKANO et al. Solubility Measurement Of Liquid Organic Compounds In Water, Nippon Kagaku Kaishi, 1985, Vol. 11, pages 2116-2119. Chemical Abstract No. 105:60254. CAS Online, Columbus, Ohio.

International Search Report dated December 18, 2003 from International Application No. PCT/2002/36519, filed November 12, 2002.

International Preliminary Examination Report dated October 24, 2003 from International Application No. PCT/US02/26019, filed August 16, 2001

Written Opinion dated April 30, 2003 from International Application No. PCT/US02/26019, filed August 16, 2001

International Search Report/Written Opinion, dated November 23, 2004, for PCT/US2004/019343, filed June 14, 2004

EXAMINER:

DATE CONSIDERED:

# EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/293,959, filed 11/12/2002, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]